

S-energy®

Lubricated Rotary Screw Air Compressors

Constant Speed and Variable Speed Drives

30–45 kW | 40–60 hp



SULLAIR®

Always air. Always there.®



Sullair: An Industry Leader

SULLAIR LEADERSHIP

Since 1965, Sullair has been recognized worldwide as an innovator and leader in rotary screw compression and vacuum technology. Sullair designs and manufactures its own rotors and air end assemblies. The legendary rotary screw design sets the industry standard and delivers the quality and reliability you expect from a leader.

SULLAIR TECHNOLOGY

Using the most modern technologies, equipment and advanced manufacturing techniques, Sullair designs, manufactures, assembles, and tests the most innovative compressed air and vacuum products in the industry. Sullair products are known around the world for their universally applicable design, outstanding craftsmanship and superior quality.

SULLAIR COMMITMENT TO INNOVATION

Underlying Sullair leadership is a dedication to excellence and a commitment to innovation. We are constantly exploring new ideas and seeking new ways to meet industry needs for increasingly energy efficient compressed air and vacuum solutions.

Sullair is A Hitachi Group Company

All rotors are engineered and machined in the USA.

S-energy®

Sullair S-energy® air compressors feature the robust, globally recognized air end with the highly efficient asymmetric profile and tapered roller bearings — backed by the Sullair comprehensive 10-year Diamond Warranty.



S-energy 40-60 hp compressors include:

- 3G enclosure design with lift-off panels for easy maintenance
- Improved air/oil separator design
- Oversized oil/aftercooler with higher cooling capacities (46°C/115°F)
- Efficient centrifugal fan and housing
- 7" Sullair Touch Screen Controller (STS): Provides easy access to all key compressor performance parameters
- Easy access oil sampling valve
- Factory filled with 10,000-hour Genuine Sullube®

S-energy compressors can significantly reduce operating and energy costs over the entire compressor life cycle:

- Proven air end with the low-restriction inlet valve
- Premium efficient drive motor design
- Low-pressure-drop air-fluid separation system to prevent energy loss

Sullair delivers cost savings for the life of the product. Improved air filtration translates into:

- Extended separator life
- Improved fluid filter life
- Less lubricant contamination

The SULLAIR® Advantage

RELIABLE PERFORMANCE HELPS ENSURE MAXIMUM UPTIME — AND MAXIMUM CONFIDENCE.

SULLAIR DURABILITY

The legendary Sullair air end is built to last.

EFFICIENCY

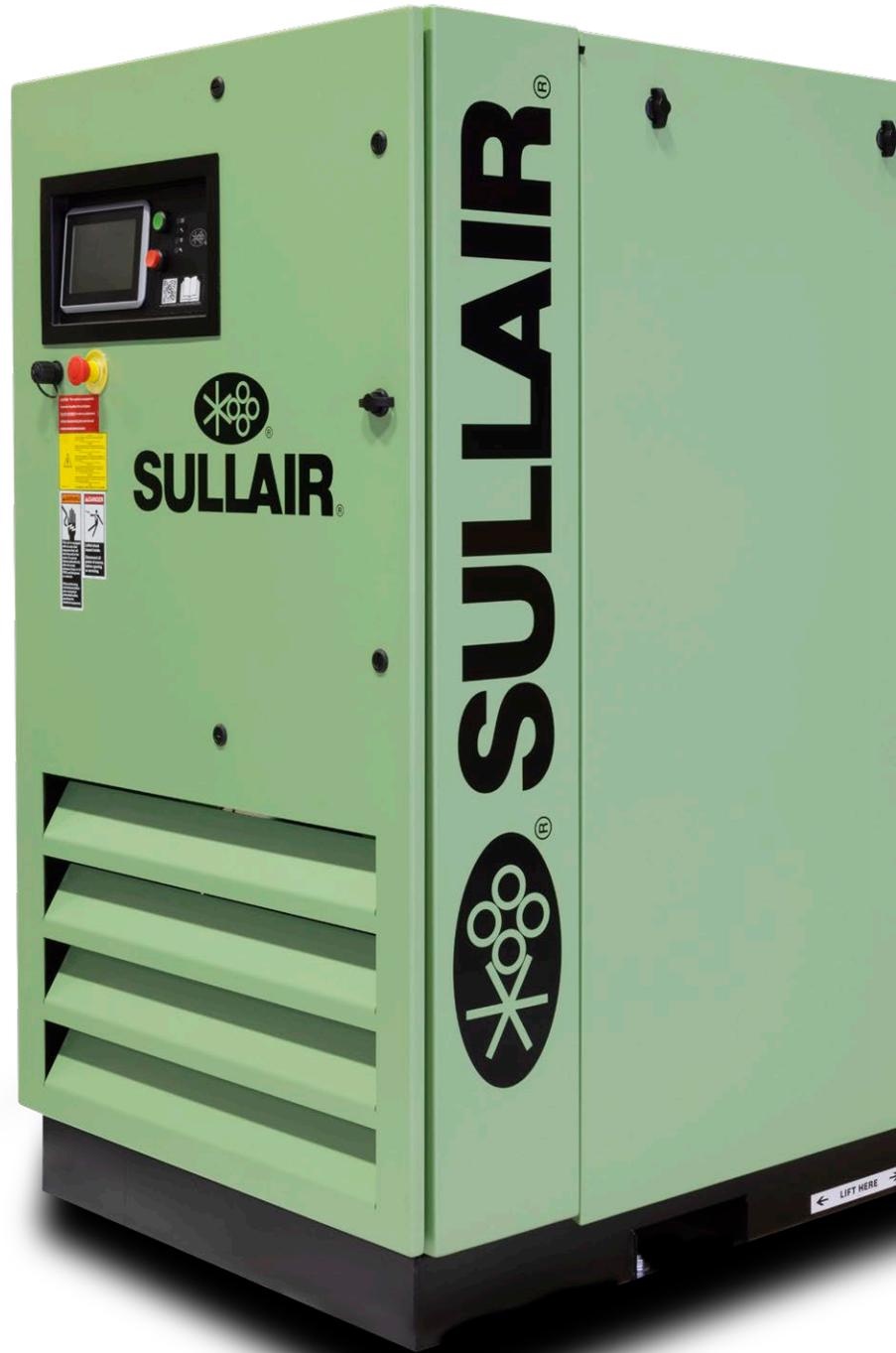
S-energy compressors are designed for high performance and lower energy usage.

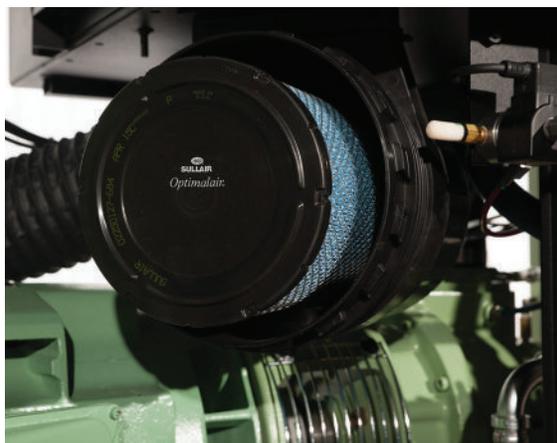
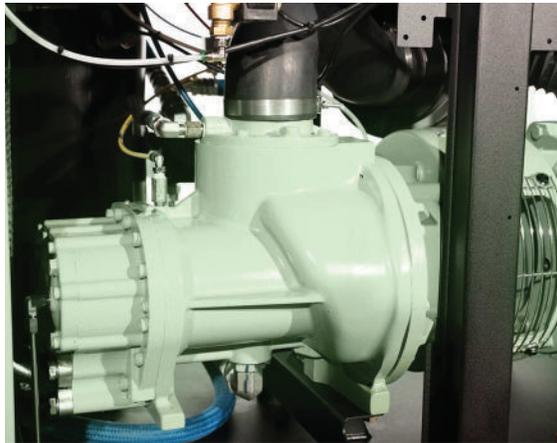
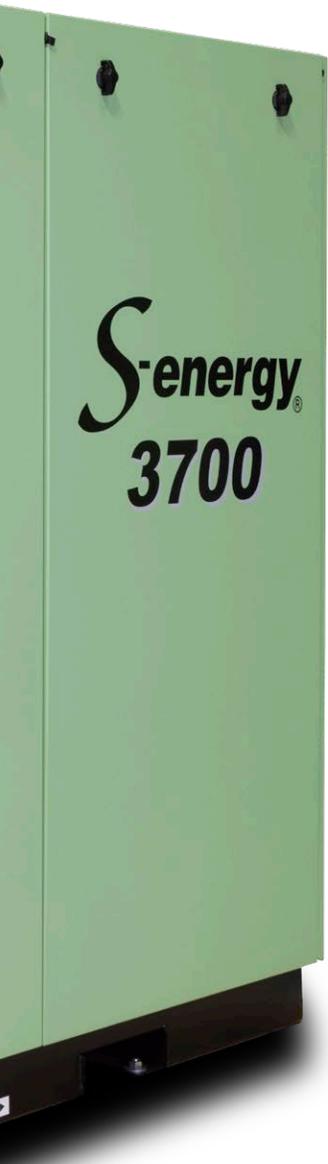
SERVICEABILITY

The S-energy package has been designed to help make service quick and easy.

STANDARD FEATURES

- Legendary air end
- Low-restriction inlet valve
- Low carryover air/oil separator design
- High efficiency drive and fan motor
- Integral compressor sequencing
- NEMA 4 Wye-Delta starter cabinet
- TEFC Motor
- 7" Sullair Touch Screen Controller (STS)
- Compact footprint
- Genuine Sullube® 10,000-hour, non-varnishing, biodegradable compressor fluid
- Optimalair® air filter providing 10 times better filtration than other filters





QUIET DESIGN

- Air end, motor, and receiver tank mounted on rubber isolators
- Insulated intake and exhaust louvers
- Low-noise fan

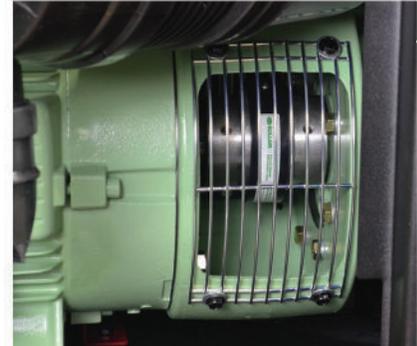
OPTIONS

- Choice of air- or water-cooled
- Cold-weather package
- Weather hood
- EES® heat recovery system
- VSD starter
- Magnetic air inlet filters (standard on VSD)
- High ambient package (55°C, 131°F)
- PristineFG™ food grade compressor fluid
- Oil containment pan (ships loose)
- AirLinx® Remote Connectivity:
Provides fast and easy remote monitoring of compressor functions from any connected device: computer, tablet or phone

S-energy® 40-60 hp Compressors

SULLAIR OPTIMALAIR® AIR FILTER

- Provides industry's finest inlet filtration
- Keeps fluid clean and extends internal component life
- Reduced pressure drop during operating life results in energy savings
- 99.95%+ overall efficiency/0.4 micron



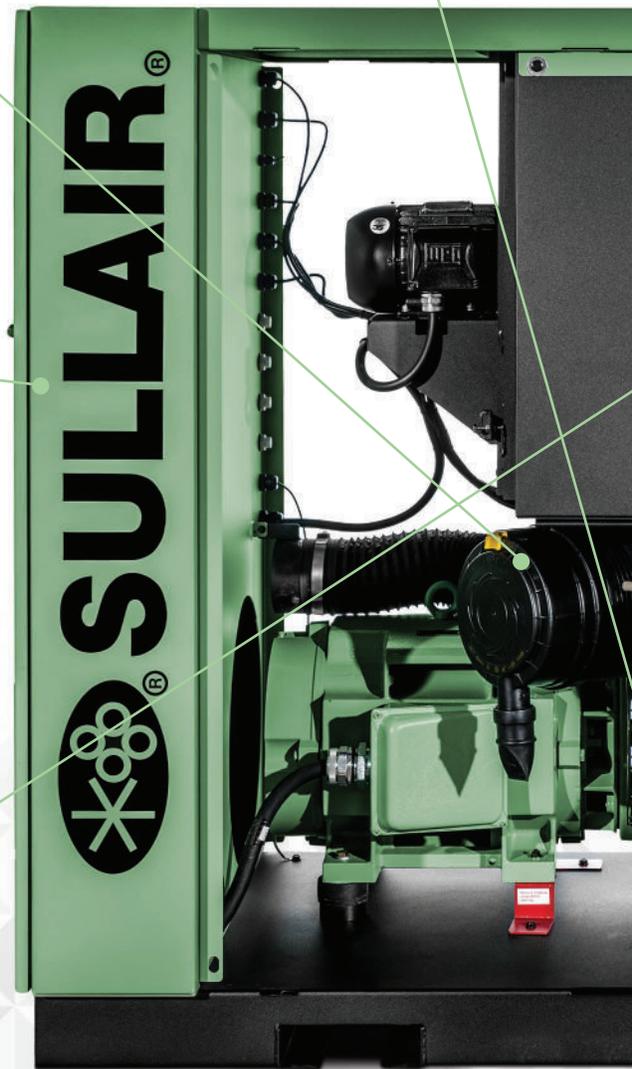
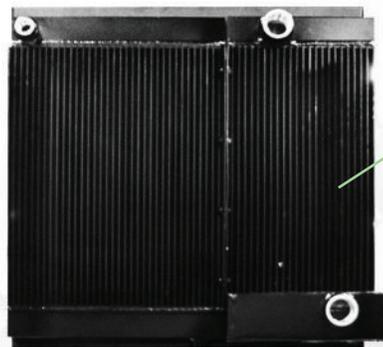
VARIABLE SPEED DRIVE

- Robust, reliable and compact
- Maximum efficiency
- Operating consistency



AFTERCOOLER/OIL COOLER

- Oversized two-piece design helps eliminate thermal shock
- Integrated moisture separator
- Rated at 46°C/115°F



3700VB MO

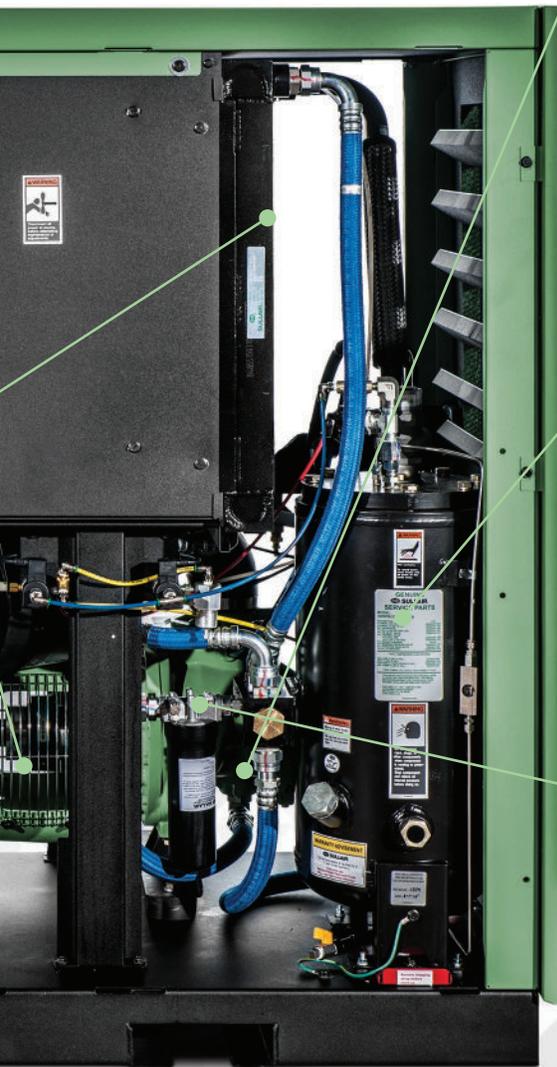
DRIVE COUPLING ELEMENT

- Easy access allows change without disturbing hubs
- Designed for air end/motor protection



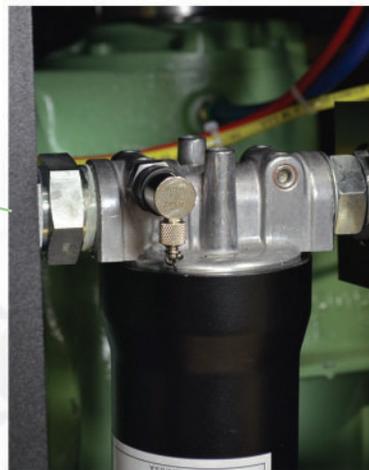
LEGENDARY SULLAIR AIR END

- Asymmetrical rotors made in the USA
- Durable
- Proven bearing design
- Backed by 10-year Diamond Warranty



SULLAIR OPTIMIZER™ AIR-FLUID SEPARATOR

- High-efficiency media
- Low pressure drop for reduced power consumption
- Less than 1.5 ppm carryover to reduce make-up fluid



OIL SAMPLING VALVE

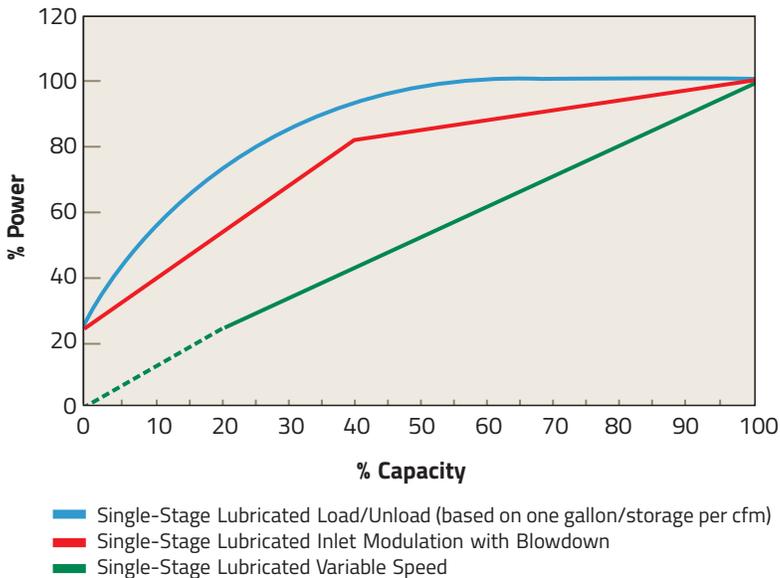
- Easy push button, metered valve allows for sampling while machine is in operation
- Simplifies maintaining your Diamond Warranty

DEL SHOWN



Air Compressors with VSD

PART-LOAD PERFORMANCE ASSESSMENT



FOR MAXIMUM ENERGY EFFICIENCY AND OPERATING CONSISTENCY

Sullair Compressors with VSD Provide:

- Excellent energy savings
- Relief from potential peak demand charges
- Possible utility company rebates
- Stable system pressure
- Consistent product quality
- Reduced system air leaks
- Reduced storage requirements
- Flexibility for future growth
- Lowest life-cycle cost
- DC link choke



Reference: Compressed Air and Gas Handbook, 6th Edition, pages 221-224.

The chart above is a representation of nominal control systems for generic comparative purposes. A detailed and accurate comparison of specific compressor models is available from your authorized distributor.

YOUR COMPRESSED AIR SYSTEM CAN IMPROVE YOUR BOTTOM LINE:

35% energy savings in the first five years

In just five years, the electrical power cost to operate a standard compressor can be more than six times greater than its purchase price.

Total compressor flexibility

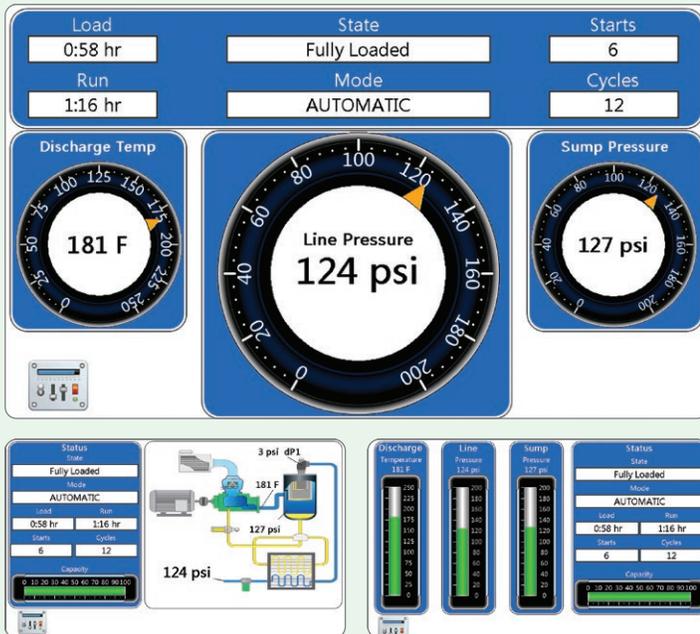
Sullair VSD compressors provide flexibility to vary both capacity and pressure. This allows you to "grow" your air system without adding more compressors.

Soft start is standard with unlimited starts and stops

- No need for Wye-Delta and other soft starters
- No need to control the number of hot or cold starts
- Unlimited starts and stops save electrical costs
- Avoids high electrical current at start-up

7" Sullair Touch Screen Controller

Your Diamond Decade Starts Today



ULTIMATE IN USER CONTROL

The Sullair Touch Screen (STS) Controller utilizes a large 7" color screen for easy viewing in any lighting condition.

Menu-driven screens provide easy access to all compressor controls:

- Support for sequencing up to 16 compressors
- More communication capabilities: Ethernet, ModBus RTU and ModBus TCP, Cellular (AirLinX® service)
- Remote access capability via VNC (Virtual Network Computing) protocol
- Start/Stop scheduling with pressure control
- NEMA 4 environmental protection
- Discreet Start and Stop buttons
- Bright operating status LEDs even when display is dimmed
- Expandable I/O for additional sensor monitoring and output control
- Supports power monitoring
- Trend graphing of operational parameters
- Most controller functions and adjustments via protected controller submenus
- New data download capabilities

SULLAIR 10-YEAR DIAMOND WARRANTY

The Sullair 10-Year Diamond Warranty provides comprehensive protection for Sullair lubricated rotary screw air compressors. This program distinguishes itself by covering all major components for new air compressors (with discharge pressures up to 150 psi):

10 Years Coverage:
Sullair Air End



5 Years Coverage:

- Main motor
- Fan motor
- Aftercooler
- Oil cooler
- Separator vessel
- Variable speed drive (if equipped)

Maintaining the Sullair 10-Year Diamond Warranty requires using Genuine Sullair parts, Sullube®, and participation in the oil sampling program. Restrictions apply.

To reduce fluid disposal costs, S-energy® compressors are factory-filled with biodegradable Genuine Sullube® 10,000-hour fluid.

- Protects and cleans (no varnish)
- Controls operating temperatures
- Optimal viscosity
- Environmentally friendly
- Reduces fluid loss
- High flash point (505°F/263°C)



GENUINE
SULLUBE®
BY SULLAIR®



SULLAIR®

Stationary Air Power Systems

With our expertise in analyzing, managing and controlling compressed air, Sullair offers total compressed air solutions that help you reduce energy costs and improve productivity.

- Plant air audits
- Energy efficient products
- Compressed air system controls
- Equipment to monitor and manage air systems
- Air distribution products
- After-purchase support

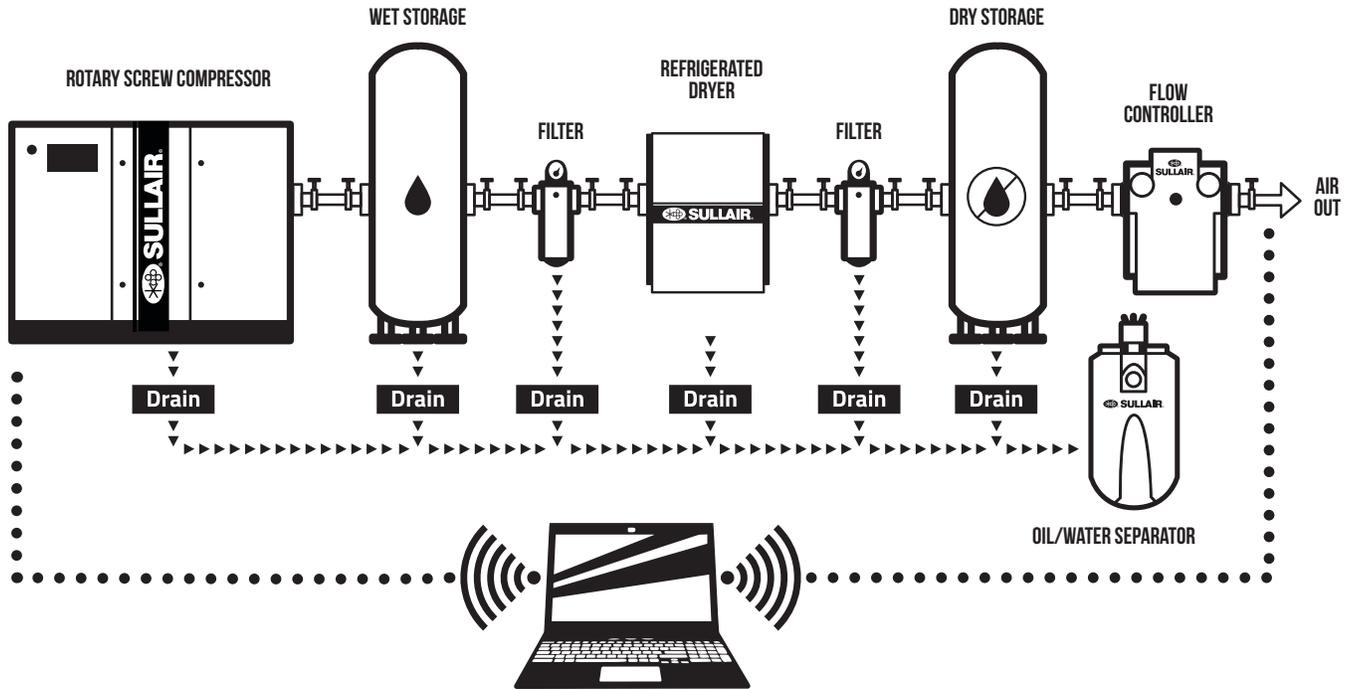
Plus a full complement of OEM parts and lubricants to help keep your compressors running optimally.

Each component of the system is carefully matched for capacity and pressure to provide maximum performance and energy efficiency. A total Sullair system provides you with an air quality guarantee.



| 60HZ MOTOR FREQUENCY | | | FULL LOAD CAPACITIES | | | | | | |
|----------------------|-------|----|----------------------|------------------------------|-----------------|------------------------------|-----------------|-------------------------------|-----------------|
| Model | Motor | | 100 psi acfm | 7 bar m ³ /min | 125 psi acfm | 9 bar m ³ /min | 150 psi acfm | 10 bar m ³ /min | 175 psi acfm |
| | hp | kW | | | | | | | |
| 3000PB | 40 | 30 | 200 | 5.66 | 183 | 5.18 | 166 | 4.70 | - |
| 3000PVB | 40 | 30 | 200 | 5.66 | 180 | 5.10 | 163 | 4.62 | - |
| 3700B | 50 | 37 | 251 | 7.11 | 227 | 6.43 | 197 | 5.58 | 180 |
| 3700VB | 50 | 37 | 249 | 7.05 | 225 | 6.37 | 202 | 5.72 | 183 |
| 4500B | 60 | 45 | - | - | 269 | 7.62 | 248 | 7.03 | 221 |
| 4500VB | 60 | 45 | - | - | 260 | 7.36 | 238 | 6.74 | 222 |

Example Stationary Air Power System Configuration



| 12 bar m ³ /min | WEIGHT (ODP) | | DISCHARGE CONNECT | DIMENSIONS | | | SOUND LEVEL |
|-------------------------------|--------------|------|-------------------|--------------|--------------|--------------|-------------|
| | lbs | kg | inches | L in (mm) | W in (mm) | H in (mm) | dBA |
| - | 2055 | 932 | 1-1/2" NPT | 67 (1712) | 35 (108) | 62 (1564) | 68-71 |
| - | 1996 | 916 | 1-1/2" NPT | | | | |
| 5.10 | 2080 | 943 | 1-1/2" NPT | | | | |
| 5.18 | 2030 | 921 | 1-1/2" NPT | | | | |
| 6.26 | 2366 | 1073 | 1-1/2" NPT | | | | |
| 6.29 | 2343 | 1063 | 1-1/2" NPT | | | | |

Learn more about **S-energy**®

CONTACT YOUR  **SULLAIR**® DISTRIBUTOR TODAY

